

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10368	ultrasound with image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:11
L2	5074	electronic adj3 signature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:23
L3	1	I1 same I2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:24
L4	15	I1 and I2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:12
L5	15368	digital adj3 signature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:23
L6	1	I1 same I5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:24
L7	12	I1 and I5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:24



Welcome United States Patent and Trademark Office

☐ Search Results
[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

Results for "(('electronic signature'<in>metadata) <and> (medical<in>metadata))"

☒ e-mail

Your search matched 2 of 1351415 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance** in **Descending** order.

» Search Options

[View Session History](#)[New Search](#)

Modify Search

☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

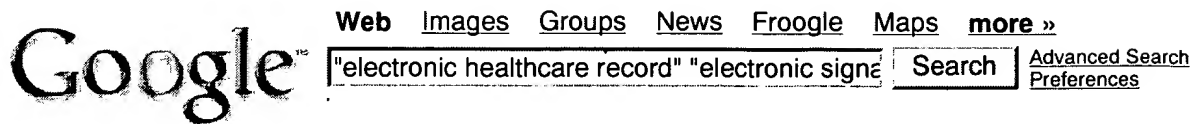
[Select All](#)
[Deselect All](#)

- ☐ 1. **Smartcards with biometric user verification**
 Struif, B.; Scheuermann, D.;
[Multimedia and Expo, 2002. ICME '02. Proceedings. 2002 IEEE International Conference on](#)
 Volume 2, 26-29 Aug. 2002 Page(s):589 - 592 vol.2
 Digital Object Identifier 10.1109/ICME.2002.1035688
[AbstractPlus](#) | Full Text: [PDF](#)(418 KB) IEEE CNF
[Rights and Permissions](#)
- ☐ 2. **Applications in health care using public-key certificates and attribute cer**
 Wohlmacher, P.; Pharow, P.;
[Computer Security Applications, 2000. ACSAC '00. 16th Annual Conference](#)
 11-15 Dec. 2000 Page(s):128 - 137
 Digital Object Identifier 10.1109/ACSAC.2000.898866
[AbstractPlus](#) | Full Text: [PDF](#)(864 KB) IEEE CNF
[Rights and Permissions](#)

[Help](#) [Contact Us](#) [Privacy & :](#)

© Copyright 2006 IEEE –

 Indexed by



Web Results 1 - 10 of about 16 for "**electronic healthcare record**" "**electronic signature**" **ultrasound**. (0.80

Electronic Heath Record

Sponsored Link

Sponsored Links

kaiserpermanente.org Manage Patients more Efficiently Kaiser
Permanente's HealthConnect

DocuSign

Online Electronic Signatures.
Unlimited use for 30 days!
www.docusign.com

[PDF] **Standards List**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

mechanisms and the characteristics of the **electronic signature** itself.

Used_in ... X-rays, CAT, NMR, **ultrasound** scans, ECGs, lung-function
tests, anatomic ...

www.who.int/ehscg/resources/en/ehscg_standards_list.pdf - [Similar pages](#)

Electronic Signatures

Electronic Signatures. Free White
Papers. PKI, Private Keys, CA.
www.ARX.com

[doc] **Name**

File Format: Microsoft Word - [View as HTML](#)

Name, **Electronic healthcare record** communication. Brief name, ENV
13606 ... Used_in, X-rays, CAT, NMR, **ultrasound** scans, ECGs, lung-
function tests, ...

www.oasis-open.org/committees/download.php/10204/standards_list.doc
- [Similar pages](#)

Electronic Signature

Electronic & Digital Signature
Resource Center & Demo Software
www.silanis.com

[doc] **Name**

File Format: Microsoft Word 97 - [View as HTML](#)

Name, **Electronic healthcare record** communication. Brief name, ENV
13606 ... Used_in, X-rays, CAT, NMR, **ultrasound** scans, ECGs, lung-
function tests, ...

[ontolog.cim3.net/.../HealthStandardsList-prelim--OASIS-
IHC_20041122.doc](http://ontolog.cim3.net/.../HealthStandardsList-prelim--OASIS-IHC_20041122.doc) - [Similar pages](#)

Ultrasound

Buy direct and save on
Ultrasound
www.promedproducts.com

[doc] **Deliverable 3.2**

File Format: Microsoft Word - [View as HTML](#)

Secure authentication procedures, eg, **electronic signature** ... paediatric clinics at regional
hospitals will use shared **electronic healthcare record** service ...

[pangea.upv.es/N+ISIS05/documents/CarlosParra/D_3-2_final/Deliverable_3_part1-
final.doc](http://pangea.upv.es/N+ISIS05/documents/CarlosParra/D_3-2_final/Deliverable_3_part1-final.doc) - [Similar pages](#)

[doc] **Appendices**

File Format: Microsoft Word 97 - [View as HTML](#)

The **electronic healthcare record** system (including distributed databases and ... Like in
the case of **Ultrasound** examination of pregnant women in a local ...

[pangea.upv.es/N+ISIS05/documents/CarlosParra/D_3-
2_final/deliverable_3_part2_iii_final.doc](http://pangea.upv.es/N+ISIS05/documents/CarlosParra/D_3-2_final/deliverable_3_part2_iii_final.doc) - [Similar pages](#)

[PDF] **Cover Page**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

Project Title: **Electronic Healthcare Record** Support Action. EHCR-SupA ... Many test
results are now in image form (X-rays, **ultrasound** etc.). ...

www.chime.ucl.ac.uk/Health/ EHCR-SupA/del1-4v1_3.PDF - [Similar pages](#)

TELEPLANS WP4 : D04.1 - 3

... (ie medical data interchange, Home Care, **Electronic Healthcare Record**
Communication). ... Within cardiology, two used stethoscope, one used **ultrasound**. ...

www.ingbiomedica.unina.it/teleplans_doc/wp4_D041_3.htm - 220k - [Cached](#) - [Similar pages](#)

[PDF] **Data Capture and Report Generation**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

An **electronic signature** has five elements. For each of these, different levels of security ...

Analog and digital x-rays, nuclear imaging, **ultrasound**, ...

www.zydoc.com/files/DataCaptureReportGenerationFinalReport.pdf - Similar pages

[DOC] [INTERNATIONAL TELECOMMUNICATION UNION](#)

File Format: Microsoft Word 2000 - [View as HTML](#)

... imported from the **Electronic Healthcare Record** System in order to avoid data entry ...

ultrasound; radiology; cardiology; cancer treatment; telemedicine ...

www.itu.int/ITU-D/study_groups/SGP_1998-2002/SG2/Documents/2001/195REV2E.DOC -

[Similar pages](#)

[PDF] [ActivitiesReport](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

"European **Electronic Signature** Standardisation Initiative (EESSI)", CEN, ... Java-based

Electronic Healthcare Record software for beta-Thalassaemia", ...

www.icsd.aegean.gr/Downloads/pdfs/ICSD-Evaluation-v27-12-02_comments.pdf -

[Similar pages](#)

Try your search again on [Google Book Search](#)

Google ►
Result Page: 1 2 [Next](#)

Info when you want it, right on your desktop
Free! [Download Google Desktop](#)

The sidebar contains the following information:

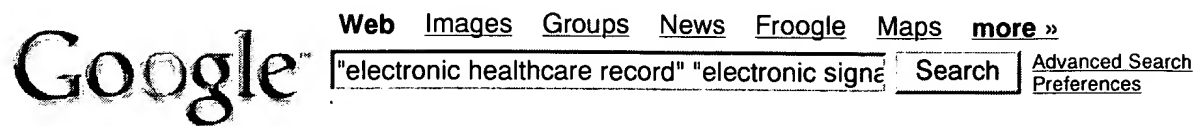
- Google** (with logo and icons)
- News** (with expand/collapse arrows)
 - New lines of communication
 - Financial Times 3 hrs ago
- Email** (with expand/collapse arrows)
- Lunch tomorrow?**
 - Mandy M Y <... 11 min ago
- 61°F Clear - Mount** (with expand/collapse arrows)
- DJI 10434.87 -84** (with expand/collapse arrows)
- Type to search
- System tray icons: network, volume, and clock showing 11:22 AM

"electronic healthcare record" "electr"

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2006 Google



Web Results 11 - 16 of 16 for "electronic healthcare record" "electronic signature" ultrasound. (0.14 seconds)

Electronic Medical Record

www.NextGen.com NextGen Helps Improve Quality, Reduce Risk, Cut Costs. Proven!

Electronic Heath Record

kaiserpermanente.org Manage Patients more Efficiently Kaiser Permanente's HealthConnect

Sponsored Links

Sponsored Links

DocuSign

Online Electronic Signatures.
Unlimited use for 30 days!
www.docusign.com

Electronic Signatures

Electronic Signatures Made Simple.
Expedite Processes & Increase ROI.
www.ARX.com

Electronic Signature

Electronic & Digital Signature
Resource Center & Demo Software
www.silanis.com

Ultrasound

Buy direct and save on
Ultrasound
www.promedproducts.com

[DOC] Interim System Architecture

File Format: Microsoft Word - [View as HTML](#)

For granting consent, patients use the **electronic signature** capability of the ... The key system is the **Electronic Healthcare Record**, where a nation-wide ...

www.medcom.dk/picnic/deliverables/ d2.3-%20int%20sysarch%20v20.doc - [Similar pages](#)

[DOC] Interim System Architecture

File Format: Microsoft Word - [View as HTML](#)

For granting consent, patients use the **electronic signature** capability of the EID ... In 2001 **electronic healthcare record** standardisation was added to the ...

www.medcom.dk/picnic/Deliverables/ d2.3-%20int%20sysarch%20v20.doc - [Similar pages](#)

[PDF] Information Management and Technology Strategy

File Format: PDF/Adobe Acrobat - [View as HTML](#)

approach to the delivery of an **Electronic Healthcare Record (EHR)**. ... then signing, following the **electronic signature** the letter will be passed back to ...

www.mbpct.nhs.uk/lis/_pdf/ IMTStrategy2001finalversion01November.pdf - [Similar pages](#)

[PDF] Report framework

File Format: PDF/Adobe Acrobat - [View as HTML](#)

Electronic Healthcare Record. These will include a ... Similarly, the EU Directive states that an advanced **electronic signature** satisfies the legal re- ...

www.pydb.saglik.gov.tr/index.php?option=com_docman&task=doc_download&gid=3 - [Similar pages](#)

[PDF] Telemedicine in Europe

File Format: PDF/Adobe Acrobat

ENEL-MED the following pictures: CT, MRI, **ultrasound** ... **electronic healthcare record** system was to be undertaken by every hospital. ...

europa.eu.int/information_society/activities/ health/docs/publications/eu-ehealth-ceec2004.pdf - [Similar pages](#)

Unauthentation - [[Translate this page](#)]

对不起，您目前的IP"66.249.65.172"不在教育网内。由于CMBI的资源大多来自于中国教育网，因此CMBI的所有文献资料只对中国教育网开放。敬请谅解！ ...

cmbi.bjmu.edu.cn/_vti_bin/explore.dll?id=88 - 3k - [Cached](#) - [Similar pages](#)

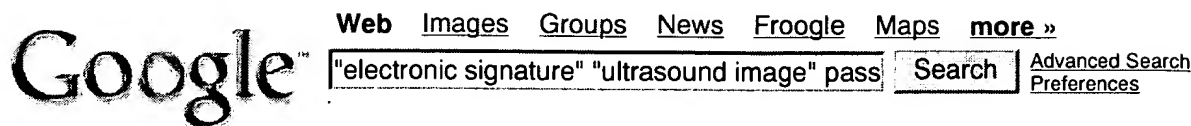


"electronic healthcare record" "electr"

[Search within results](#) | [Language Tools](#) | [Search Tips](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2006 Google



Web Results 1 - 10 of about 13 for "**electronic signature**" "**ultrasound image**" **password**. (0.63 seconds)

Tip: Looking for pictures? Try [Google Images](#)

[frequency response - Storming Media](#)

... Nonlinear **Ultrasound Image** Modeling: Development of a Complete End-To- End ...
(High Resolution) without Changing its **Electronic Signature** Date: MAR 96 ...
www.stormingmedia.us/keywords/frequency_response.html - 29k - [Cached](#) - [Similar pages](#)

[\[PDF\] Hospital Data Integration and Quality Protocol](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)
a patient cannot enter this **password**, and his/her situa-. tion is critical. ... **electronic signature**, that has the same value as a regular signature. ...
www.liacs.nl/~rvelden/docs/HospitalDataIntegration.pdf - [Similar pages](#)

[\[PDF\] Empower Your Workflow Innovative Methods Using High-Tech Equipment ...](#)

File Format: PDF/Adobe Acrobat
[6] Security and **Electronic Signature**; Proposed Rule, US Department. of Health and Human Services, ... medical **ultrasound image** acquisition, presentation, ...
www.healthcare.siemens.com/medroot/en/news/electro/issues/pdf/heft_2_01_e/em_0201_engl.pdf - [Similar pages](#)

[\[PDF\] Tgugctej"KV"Cwuvtkc](#)

File Format: PDF/Adobe Acrobat
Electronic Commerce, Electronic Payment, **Electronic Signature** ... CT/MR/SPECT/PET and **ultrasound image** fusion in the whole body with the use of the image ...
www.ffg.at/getdownload.php?id=753 - [Similar pages](#)

[\[PDF\] Tgugctej"KV"Cwuvtkc](#)

File Format: PDF/Adobe Acrobat
Electronic Commerce, Electronic Payment, **Electronic Signature** ... CT/MR/SPECT/PET and **ultrasound image** fusion in the whole body with the use of the image ...
www.ffg.at/getdownload.php?id=759 - [Similar pages](#)

[Idaho State Legislature - 2004 House Health & Welfare Committee ...](#)

The issue of the secured **password** was considered by the Committee. ... an **ultrasound image** of the fetus shown to the patient by the physician, if requested ...
www.legislature.idaho.gov/sessioninfo/2004/standingcommittees/hhelmin.html - 413k - [Cached](#) - [Similar pages](#)

[\[PDF\] VistA Imaging Technical Manual](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)
Users are not required to enter an **electronic signature** when. printing or copying images. ... IU account **password** was changed on the server, but not ...
www.va.gov/vdl/VistA_Lib/Clinical/Vista_Imaging_Sys/imgtechman.pdf - [Similar pages](#)

[\[doc\] Requirements - Technology](#)

File Format: Microsoft Word - [View as HTML](#)
Using access management of identity and a **password** on the server, ... [Strategy for securing medical documents by **electronic signature** and encryption]. ...
www.med.umich.edu/telemedicine/Symposium/II_3_word.doc - [Similar pages](#)

[\[RTF\] Requirements - Technology VI B 4, *II 3, *III 6 A, *IV 1. Gammon ...](#)

File Format: Rich Text Format - [View as HTML](#)
Using access management of identity and a **password** on the server, ... [Strategy for

securing medical documents by **electronic signature** and encryption]. ...
www.med.umich.edu/telemedicine/Symposium/II_3_rtf.rtf - [Similar pages](#)


[PDF] [Information and Communication Technologies](#)

File Format: PDF/Adobe Acrobat


Authenticity of the online law is guaranteed by **electronic signature**. ... CT/MR/SPECT/PET
and **ultrasound image** fusion in the whole body with the use of the ...



[www.bmvit.gv.at/en/eu_rat/innovation/
events/downloads_ict/conference_material/ict_handbook.pdf](http://www.bmvit.gv.at/en/eu_rat/innovation/events/downloads_ict/conference_material/ict_handbook.pdf) - [Similar pages](#)

Try your search again on [Google Book Search](#)



Google 
Result Page: 1 2 [Next](#)

Info when you want it, right on your desktop
Free! [Download Google Desktop](#)



Google 



 News 

New lines of communication
Financial Times 3 hrs ago


 Email 

Lunch tomorrow?
Mandy M Y <... 11 min ago

 61°F Clear - Mount 

 DJI 10434.87 -84. 

Type to search

 11:22 AM

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied?](#) [Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2006 Google



USPTO

[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)Search: ☒ The ACM Digital Library ☐ The Guide

+"medical document", +"electronic signature"

SEARCH

THE ACM DIGITAL LIBRARY

[Feedback](#) [Report a problem](#) [Satisfaction survey](#)Terms used **medical document electronic signature**

Found 1 of 177,263

Sort results
by

relevance

[Save results to a Binder](#)[Try an Advanced Search](#)[Try this search in The ACM Guide](#)Display
results

expanded form

[Search Tips](#)☐ Open results in a new
window

Results 1 - 1 of 1

Relevance scale ☐ ☐ ☐ ☐ ☐1 [A survey and analysis of Electronic Healthcare Record standards](#)Marco Eichelberg, Thomas Aden, Jörg Riesmeier, Asuman Dogac, Gokce B. Laleci
December 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 4**Publisher:** ACM PressFull text available: pdf(844.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Medical information systems today store clinical information about patients in all kinds of proprietary formats. To address the resulting interoperability problems, several Electronic Healthcare Record standards that structure the clinical content for the purpose of exchange are currently under development. In this article, we present a survey of the most relevant Electronic Healthcare Record standards, examine the level of interoperability they provide, and assess their functionality in terms of ...

Keywords: Electronic Healthcare Record standards, eHealth, interoperability

Results 1 - 1 of 1

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)Useful downloads: [Adobe Acrobat](#) [QuickTime](#) [Windows Media Player](#) [Real Player](#)


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☒ The ACM Digital Library ☐ The Guide

THE ACM DIGITAL LIBRARY


[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

 Terms used ultrasound signature password

Found 1 of 177,263

Sort results by


[Save results to a Binder](#)
[Try an Advanced Search](#)
[Try this search in The ACM Guide](#)

Display results


[Search Tips](#)
☐ Open results in a new window

Results 1 - 1 of 1

 Relevance scale ☐ ☐ ☐ ☐ ☐

1 [Risks to the public: Risks to the public](#)



Peter G. Neumann

 July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4

Publisher: ACM Press

 Full text available: pdf(151.77 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Edited by Peter G. Neumann (Risks Forum Moderator and Chairman of the ACM Committee on Computers and Public Policy), plus personal contributions by others, as indicated. Opinions expressed are individual rather than organizational, and all of the usual disclaimers apply. We address problems relating to software, hardware, people, and other circumstances relating to computer systems. To economize on space, we include pointers to items in the online Risks Forum: (R i j) denotes RISKS vol i number ...

Results 1 - 1 of 1

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

 Useful downloads: [Adobe Acrobat](#) [QuickTime](#) [Windows Media Player](#) [Real Player](#)


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☒ The ACM Digital Library ☐ The Guide



THE ACM DIGITAL LIBRARY


[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

 Terms used ultrasound signature

Found 18 of 177,263

Sort results by


[Save results to a Binder](#)
[Try an Advanced Search](#)
[Try this search in The ACM Guide](#)

Display results


[Search Tips](#)
☐ Open results in a new window

Results 1 - 18 of 18

 Relevance scale ☐ ☐ ☐ ☐ ☐

- 1 [Location services: Sextant: a unified node and event localization framework using non-convex constraints](#)



Saikat Guha, Rohan Murty, Emin Gün Sirer

 May 2005 **Proceedings of the 6th ACM international symposium on Mobile ad hoc networking and computing MobiHoc '05**

Publisher: ACM Press

 Full text available: pdf(208.91 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Determining node and event locations is a canonical task for many wireless network applications. Yet dedicated infrastructure for determining position information is expensive, energy-consuming, and simply unavailable in many deployment scenarios. This paper presents an accurate, cheap and scalable framework, called Sextant, for determining node position and event location in sensor networks. Sextant operates by setting up and solving a system of geographic constraints based on connectivity info ...

Keywords: Bézier, SEXTANT, event localization, motes, node localization, positioning

- 2 [Poster 3: content track: Validating cardiac echo diagnosis through video similarity](#)



Tanveer Syeda-Mahmood, Dulce Ponceleon, Jing Yang

 November 2005 **Proceedings of the 13th annual ACM international conference on Multimedia MULTIMEDIA '05**

Publisher: ACM Press

 Full text available: pdf(451.63 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Video data is increasingly being used in medical diagnosis. Due to the quality of the video and the complexities of underlying motion captured, it is difficult for an in-experienced physician/radiologist to describe motion abnormalities in a crisp way, leading to possible errors in diagnosis. In this paper, we present a method of capturing video similarity and its use for diagnosis verification during decision support. Specifically, we describe the motion information in videos using average velo ...

Keywords: collaborative filtering, diagnosis prediction, video-guided diagnosis

- 3 [\(Special session\) invited talks: mixed signal test: An implementation of memory-based on-chip analogue test signal generation](#)



Salvador Mir, Luis Rolíndez, Christian Domigues, Libor Rufer

 January 2003 **Proceedings of the 2003 conference on Asia South Pacific design automation ASPDAC**

Publisher: ACM Press

 Full text available: pdf(666.98 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper presents a memory-based on-chip analogue test signal generation approach that is suitable for the test of an Analogue and Mixed-Signal (AMS) core. This core contains programmable electronic interfaces for acoustic and ultrasound transducers. The test signals that must be generated on-chip have only low or moderate frequencies (10 Hz-10 MHz). The test circuitry designed in a 0.18 μm CMOS technology includes a programmable shift-register, a clock divider, and a programmable switched- ...

4 Ad hoc network: SECTOR: secure tracking of node encounters in multi-hop wireless networks



Srdjan Čapkun, Levente Buttyán, Jean-Pierre Hubaux

October 2003 **Proceedings of the 1st ACM workshop on Security of ad hoc and sensor networks**

Publisher: ACM Press

Full text available: pdf(190.29 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we present SECTOR, a set of mechanisms for the secure verification of the time of encounters between nodes in multi-hop wireless networks. This information can be used notably to prevent wormhole attacks (without requiring any clock synchronization), to secure routing protocols based on last encounters (with only loose clock synchronization), and to control the topology of the network. SECTOR is based primarily on distance-bounding techniques, on one-way hash chains and on Merkle h ...

Keywords: mobile networks, mobility, positioning, security, security associations

5 Transfer functions on a logarithmic scale for volume rendering

Simeon Potts, Torsten Möller

May 2004 **Proceedings of the 2004 conference on Graphics interface GI '04**

Publisher: Canadian Human-Computer Communications Society

Full text available: pdf(296.08 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Manual opacity transfer function editing for volume rendering can be a difficult and counter-intuitive process. This paper proposes a logarithmically scaled editor, and argues that such a scale relates the height of the transfer function to the rendered intensity of a region of particular density in the volume almost directly, resulting in much improved, simpler manual transfer function editing.

Keywords: transfer functions, user interfaces, volume graphics

6 A survey and analysis of Electronic Healthcare Record standards



Marco Eichelberg, Thomas Aden, Jörg Riesmeier, Asuman Dogac, Gokce B. Laleci

December 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 4

Publisher: ACM Press

Full text available: pdf(844.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Medical information systems today store clinical information about patients in all kinds of proprietary formats. To address the resulting interoperability problems, several Electronic Healthcare Record standards that structure the clinical content for the purpose of exchange are currently under development. In this article, we present a survey of the most relevant Electronic Healthcare Record standards, examine the level of interoperability they provide, and assess their functionality in terms o ...

Keywords: Electronic Healthcare Record standards, eHealth, interoperability

7 IEEE Visualization Cumulative Bibliography (1990 - 2004)

October 2004 **Proceedings of the conference on Visualization '04**

Publisher: IEEE Computer Society

Full text available:  pdf(811.24 KB) Additional Information: [full citation](#)

8 Superior augmented reality registration by integrating landmark tracking and magnetic tracking



Andrei State, Gentaro Hirota, David T. Chen, William F. Garrett, Mark A. Livingston
August 1996 **Proceedings of the 23rd annual conference on Computer graphics and interactive techniques**

Publisher: ACM Press

Full text available:  pdf(1.43 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: augmented reality, calibration, frame buffer techniques, registration, stereo video see-through head-mounted display


9 Computer security: Proxy-based security protocols in networked mobile devices



M. Burnside, D. Clarke, T. Mills, A. Maywah, S. Devadas, R. Rivest

March 2002 **Proceedings of the 2002 ACM symposium on Applied computing**

Publisher: ACM Press

Full text available:  pdf(765.09 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We describe a resource discovery and communication system designed for security and privacy. All objects in the system, e.g., appliances, wearable gadgets, software agents, and users have associated trusted software proxies that either run on the appliance hardware or on a trusted computer. We describe how security and privacy are enforced using two separate protocols: a protocol for secure device-to-proxy communication, and a protocol for secure proxy-to-proxy communication. Using two separate ...

Keywords: authorization, certificate, certificate chain, certificate chain discovery, mobile device, pervasive, protocol, proxy, security, ubiquitous, wireless


10 A survey of image registration techniques



Lisa Gottesfeld Brown

December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4

Publisher: ACM Press

Full text available:  pdf(5.20 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Registration is a fundamental task in image processing used to match two or more pictures taken, for example, at different times, from different sensors, or from different viewpoints. Virtually all large systems which evaluate images require the registration of images, or a closely related operation, as an intermediate step. Specific examples of systems where image registration is a significant component include matching a target with a real-time image of a scene for target recognition, mon ...

Keywords: image registration, image warping, rectification, template matching

11 Acoustic radar graphic input device



P. de Bruyne

July 1980 **ACM SIGGRAPH Computer Graphics , Proceedings of the 7th annual conference on Computer graphics and interactive techniques SIGGRAPH '80**, Volume 14 Issue 3

Publisher: ACM Press

Full text available:  pdf(451.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Accurate X,Y position determining digitizers presently require a precision array of wires embedded in the tablet. In rear-projection tablets these wires tend to limit the optical quality of images projected on the screen. Principles of acoustic radar are applied in a device which achieves better resolution, at a lower cost and without the use of wires, either in a tablet or a cursor. The function of acoustic reflectors for automatic calibration is described, achieving an accuracy of ± 0.1 mm.

Keywords: Acoustic radar, Back-projection, Cursor, Digitizer, Finger-pointing, Graphic input, Position measurement, Retro-reflector, Self-calibrating, Sonar, Stylus, Tablet

12 Computational strategies for object recognition



Paul Suetens, Pascal Fua, Andrew J. Hanson

March 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 1

Publisher: ACM Press

Full text available: pdf(6.37 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This article reviews the available methods for automated identification of objects in digital images. The techniques are classified into groups according to the nature of the computational strategy used. Four classes are proposed: (1) the simplest strategies, which work on data appropriate for feature vector classification, (2) methods that match models to symbolic data structures for situations involving reliable data and complex models, (3) approaches that fit models to the photometry and ...

Keywords: image understanding, model-based vision, object recognition

13 Level set and PDE methods for computer graphics



David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available: pdf(17.07 MB)

Additional Information: [full citation](#), [abstract](#)

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

14 Risks to the public: Risks to the public



Peter G. Neumann

July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4

Publisher: ACM Press

Full text available: pdf(151.77 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Edited by Peter G. Neumann (Risks Forum Moderator and Chairman of the ACM Committee on Computers and Public Policy), plus personal contributions by others, as indicated. Opinions expressed are individual rather than organizational, and all of the usual disclaimers apply. We address problems relating to software, hardware, people, and other circumstances relating to computer systems. To economize on space, we include pointers to items in the online Risks Forum: (R i j) denotes RISKS vol i number ...

15 7-3 Modeling: Multi-scale iso-surface extraction for volume visualization



Shiaofen Fang, Marwan Adada

June 2004 **Proceedings of the 2004 ACM SIGGRAPH international conference on Virtual Reality continuum and its applications in industry**

Publisher: ACM Press

Full text available:  pdf(240.00 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes a new multi-scale approach for the extraction of iso-surfaces from volume datasets. Using histogram analysis, iso-values are extracted from histograms of boundary voxels defined by gradient magnitude thresholding. Multi-scale smoothing of the histogram using Gaussian filters of various sizes allows the iso-surfaces to be defined hierarchically over a scale space map. It provides an interactive environment and volume navigation tools for the exploration of large volume data s ...

Keywords: iso-surface extraction, multiscale space, volume visualization

16 The intelligent street: responsive sound environments for social interaction



Henrik Lörstad, Mark d'Inverno, John Eacott

September 2004 **Proceedings of the 2004 ACM SIGCHI International Conference on Advances in computer entertainment technology ACE '04**

Publisher: ACM Press

Full text available:  pdf(111.95 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

The *Intelligent Street* is a music installation that is able to respond intelligently to the collective requests of users interacting together. The performance it creates is largely influenced by the collective set of text commands from users' mobile phones. In this way, users in shared environments, subjugated for so long to uncontrollable and often undesired 'Muzak', can now directly influence their sonic environment and collectively create the aural soundscape that *they* desire. W ...

Keywords: algorithmic and generative composition, algorithmic music, ambient intelligence, human computer interaction, intelligent responsive sound, prototype, software architectures


17 Localization: Localization for mobile sensor networks



Lingxuan Hu, David Evans

September 2004 **Proceedings of the 10th annual international conference on Mobile computing and networking**

Publisher: ACM Press

Full text available:  pdf(263.13 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Many sensor network applications require location awareness, but it is often too expensive to include a GPS receiver in a sensor network node. Hence, localization schemes for sensor networks typically use a small number of seed nodes that know their location and protocols whereby other nodes estimate their location from the messages they receive. Several such localization techniques have been proposed, but none of them consider mobile nodes and seeds. Although mobility would appear to make local ...

Keywords: Monte Carlo localization, localization, mobility, sensor networks

18 Art poster session: ARIA: an adaptive and programmable media-flow architecture for interactive arts



Lina Peng, K. Selcuk Candan, Kyung D. Ryu, Karamvir S. Chatha, Hari Sundaram

October 2004 **Proceedings of the 12th annual ACM international conference on Multimedia**

Publisher: ACM Press

Full text available:  pdf(144.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We are developing an adaptive and programmable media-flow ARchitecture for Interactive Arts (ARIA) to enable real-time control of audio, video, and lighting on an intelligent stage. The intelligent stage is being equipped with a matrix of floor sensors for object localization, microphone arrays for sound localization, beam forming and motion capture system. ARIA system provides an interface for specifying intended mappings of the

sensory inputs to audio-visual responses. Based on the specific ...

Keywords: interactive, multi-model art, tools for creating multimedia art

Results 1 - 18 of 18

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)